

F.S. NOTES

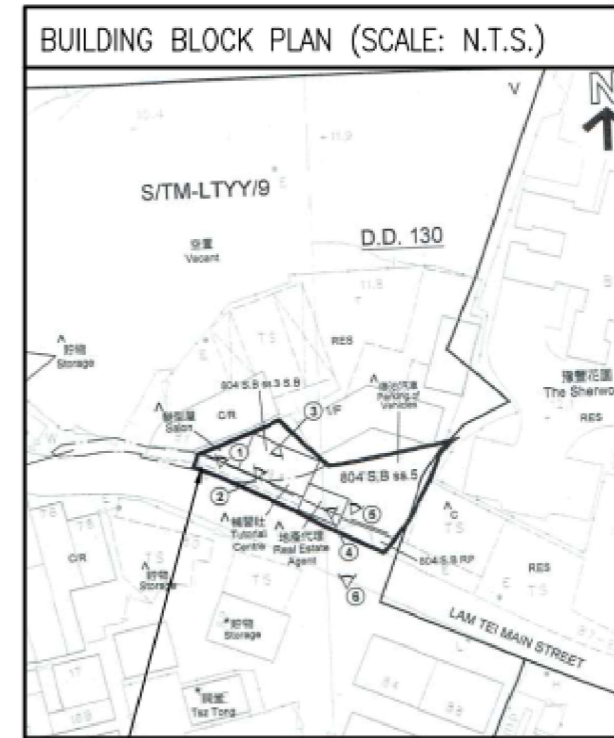
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN MM.
- ACCORDING TO CODES OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT 2012, CLAUSE 5.11 & 5.14, MFA SYSTEM & FIRE HOSE REEL SYSTEM SHALL BE PROVIDED.
- 2000 LITRE EFFECTIVE STORAGE CAPACITY GRP F.S. WATER TANK SHALL BE PROVIDED AT G/F FOR THE HOSE REEL SYSTEM.
- PRIMARY & SECONDARY ELECTRICAL POWER SUPPLY SHALL BE PROVIDED FOR ALL F.S. INSTALLATION.
- IN ACCORDANCE WITH PARA. 5.9 OF THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT 2012, EMERGENCY LIGHT SHALL BE PROVIDED.

LEGENDS

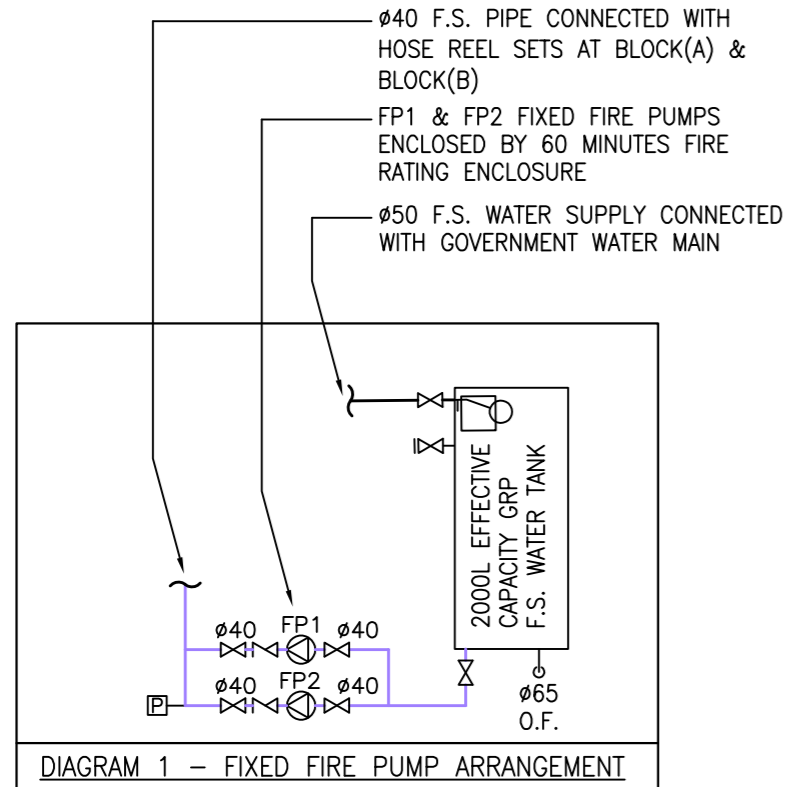
- HR FIRE HOSE REEL
- GATE VALVE
- GATE C/W CAP
- NON RETURN VALVE
- WATER CHECK METER POSITION
- BALL FLOAT VALVE
- VENT PIPE
- FIXED FIRE PUMP
- PRESSURE SWITCH ASSEMBLY (DETAILS REFER TO FIGURE 1)
- MFA CALL POINT
- FIRE ALARM BELL
- MFA CONTROL PANEL C/W WEATHERPROOF TYPE CABINET
- FIRE FIRE PUMP CONTROL PANEL C/W WEATHERPROOF ENCLOSURE
- DETAILS FIXED FIRE PUMPS & F.S. TANK INSTALLATION ARRANGEMENT
- 5kg CO2 TYPE PORTABLE FIRE EXTINGUISHER

ABBREVIATIONS

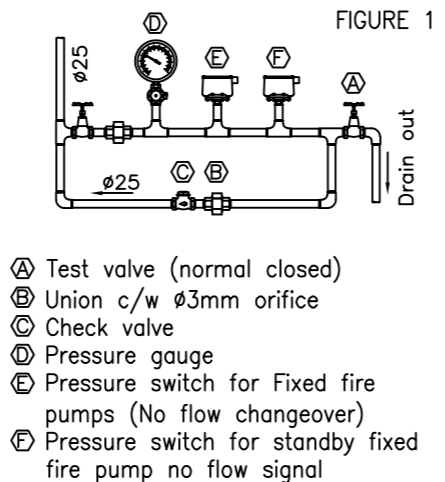
- F/A FROM ABOVE
- F/B FROM BELOW
- T/A TO ABOVE
- T/B TO BELOW
- L/L LOW LEVEL
- M/L MIDDLE LEVEL
- H/L HIGH LEVEL
- AFFL ABOVE FINISH FLOOR LEVEL
- F.S. FIRE SERVICES
- HR FIRE HOSE REEL
- FH FIRE HYDRANT
- FSI FIRE SERVICES INLET
- MFA MANUAL FIRE ALARM
- EX. EXISTING
- BL BOUNDARY LINE
- AUTO AUTOMATIC
- C/W COMPLETE WITH
- MH ACCESS MANHOLE
- VP VENT PIPE
- OF OVERFLOW PIPE
- CL CAT LADDER



APPLICATION SITE FOR TEMPORARY SHOP AND SERVICES FOR A PERIOD OF 5 YEARS LOTS 804 S.B RP (PART), 804 S.B ss.3S.B, 804 S.B ss.3RP (PART) AND 804 S.B ss.6 IN D.D. 130, 83 LAM TEI MAIN STREET, LAM TEI, TUEN MUN, N.T.



PRESSURE SWITCH ASSEMBLY FOR FIXED FIRE PUMP SET



SCHEDULE OF THE BUILDINGS							
BLOCK	HIGHEST HEIGHT	UNIT	STORAGE	USAGE	GROSS AREA	TOTAL GROSS AREA	COVERAGE AREA c/w CANOPY
(A)	5m	(1)	1	SHOP	20 m ²	140 m ²	95 m ²
		(2)	2	SHOP	Lower: 70 m ² Upper: 50 m ²		
(B)	5m	(3)	1	SHOP	25 m ²	145 m ²	148 m ²
		(4)	1	SHOP	120 m ²		

Project: PROPOSED FIRE SERVICES INSTALLATION AT NO. 83 LAM TEI MAIN STREET, TUEN MUN, NEW TERRITORIES.

Drawing Title: NOTES, LEGENDS, ABBREVIATION, SCHEDULE OF THE BUILDINGS & BLOCK PLAN.

FSI Contractor:

KEI YIP FIRE ENGINEERING LTD.

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Scale: N.T.S.

Date: 28 AUG 2019

Drawn: P.L. YAU

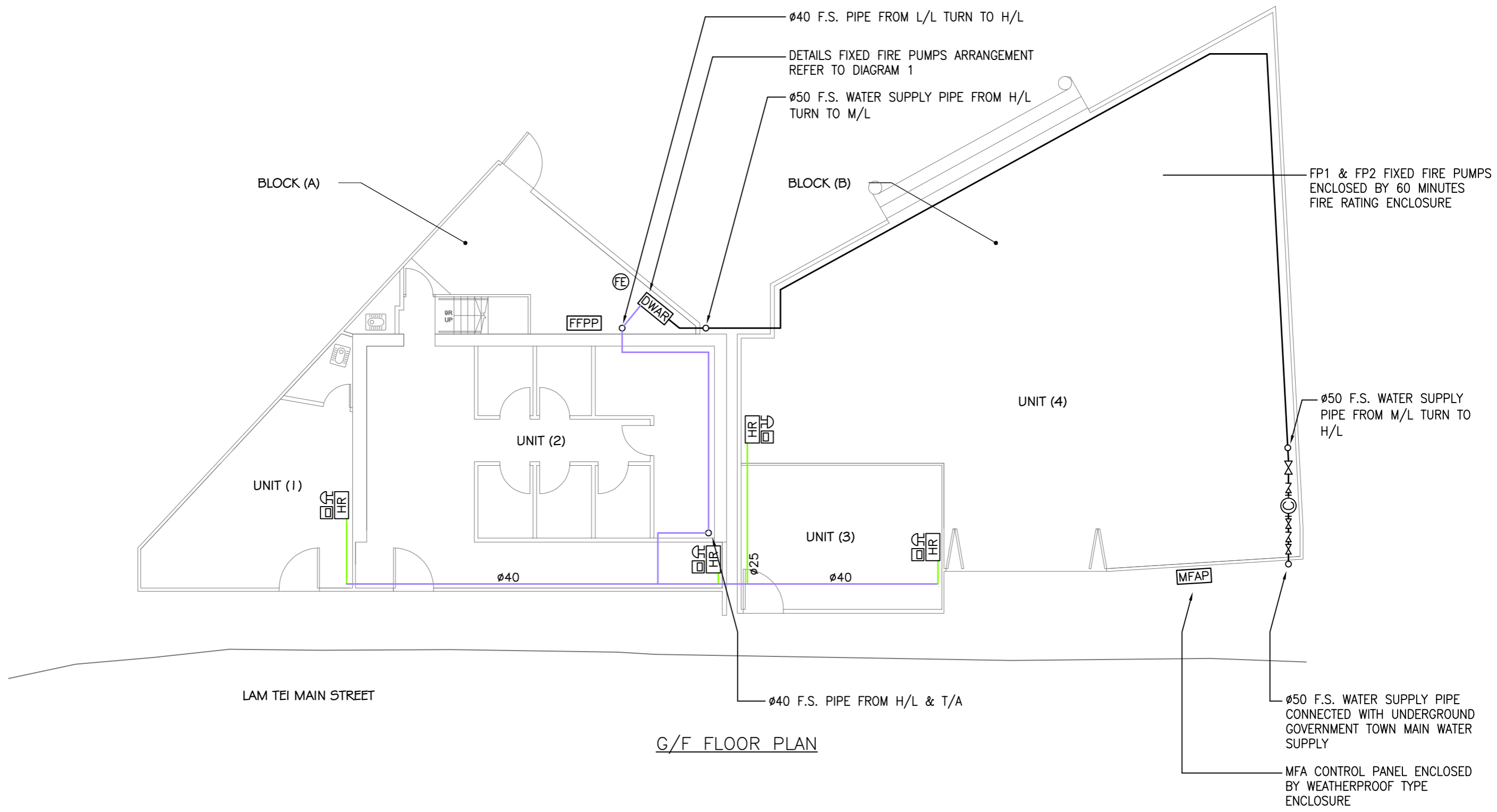
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Rev.	Description	Date
A	FSI DWG RESUBMISSION ACCORDING TO THE UPDATED BUILDING LAYOUT PLAN	NOV 2019
B	AS PER FSD'S COMMENTS DATED 9 JAN 2020	FEB 2020

Proj. Ref: **K230**

Dwg. No: **FS-01**

Revision: **B**



G/F FLOOR PLAN

Project:
 PROPOSED FIRE SERVICES INSTALLATION AT NO. 83 LAM TEI MAIN STREET, TUEN MUN, NEW TERRITORIES.

Drawing Title:
 FIRE SERVICES INSTALLATION GROUND FLOOR PLAN

FSI Contractor:
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Scale:
 1:100

Date:
 28 AUG 2019

Drawn:
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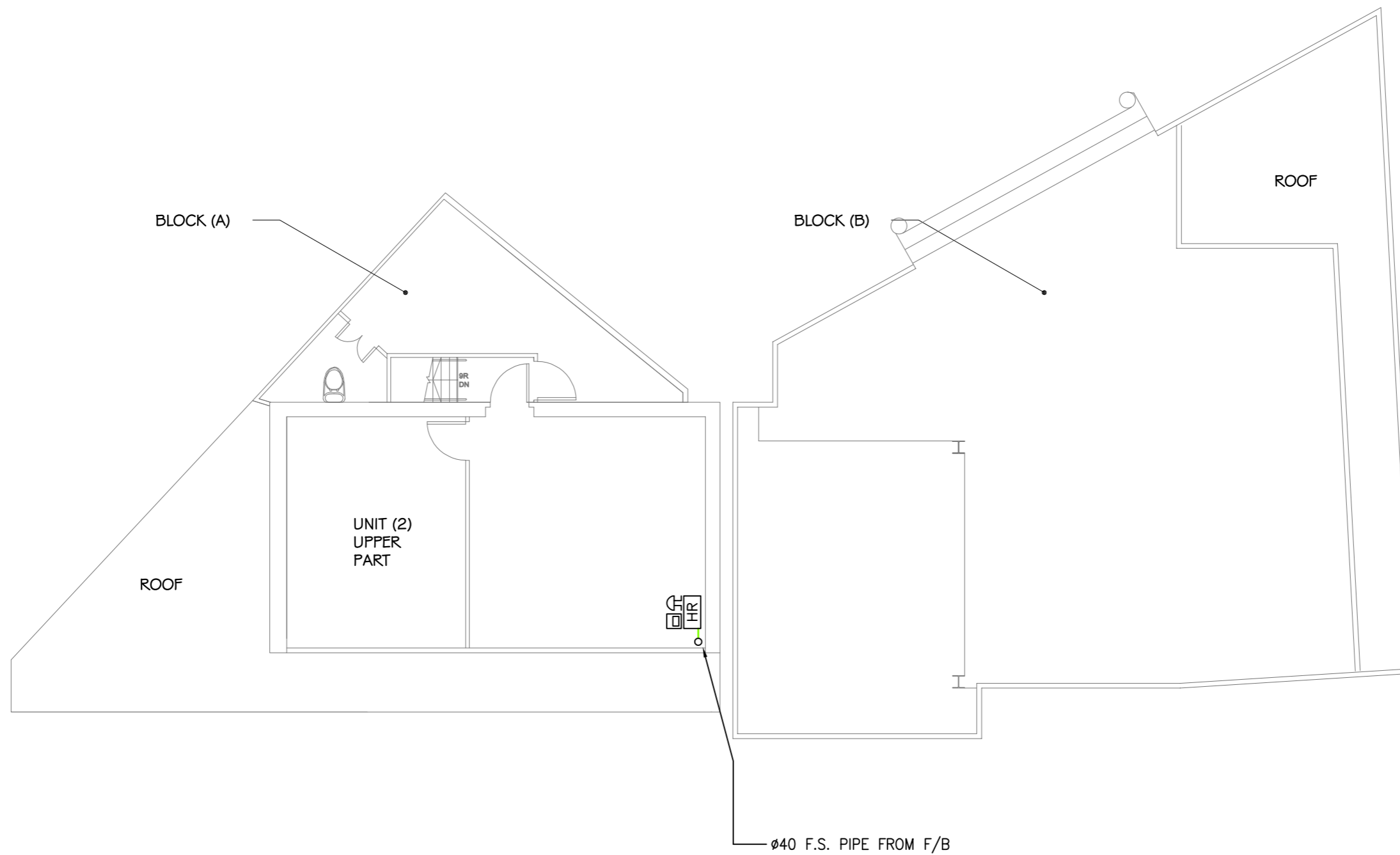
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Proj. Ref:
K230

Dwg. No:
FS-03

Revision
B



G/F FLOOR PLAN (UPPER LAYER)

Project:
 PROPOSED FIRE SERVICES INSTALLATION AT NO. 83 LAM TEI MAIN STREET, TUEN MUN, NEW TERRITORIES.

Drawing Title:
 FIRE SERVICES INSTALLATION G/F FLOOR PLAN (UPPER LAYER)

FSI Contractor:

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Scale:
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Date:
 28 AUG 2019

Drawn:
 P.L. YAU

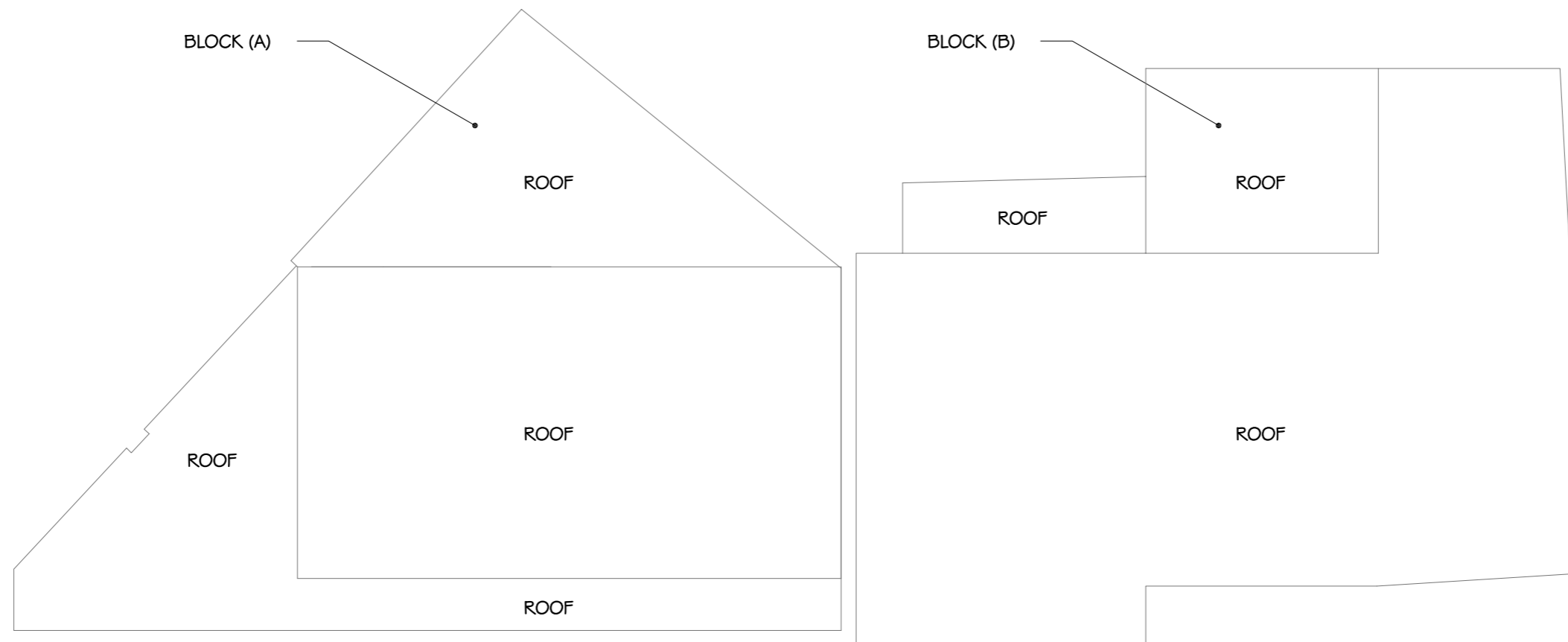
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Proj. Ref:
K230

Dwg. No:
FS-04

Revision
B



ROOF PLAN

Project:
 PROPOSED FIRE SERVICES INSTALLATION AT NO. 83 LAM TEI MAIN STREET, TUEN MUN, NEW TERRITORIES.

Drawing Title:
 FIRE SERVICES INSTALLATION ROOF PLAN

FSI Contractor:

KEI YIP FIRE ENGINEERING LTD.

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Scale:
 1:100

Date:
 28 AUG 2019

Drawn:
 P.L. YAU

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 C.C. LO

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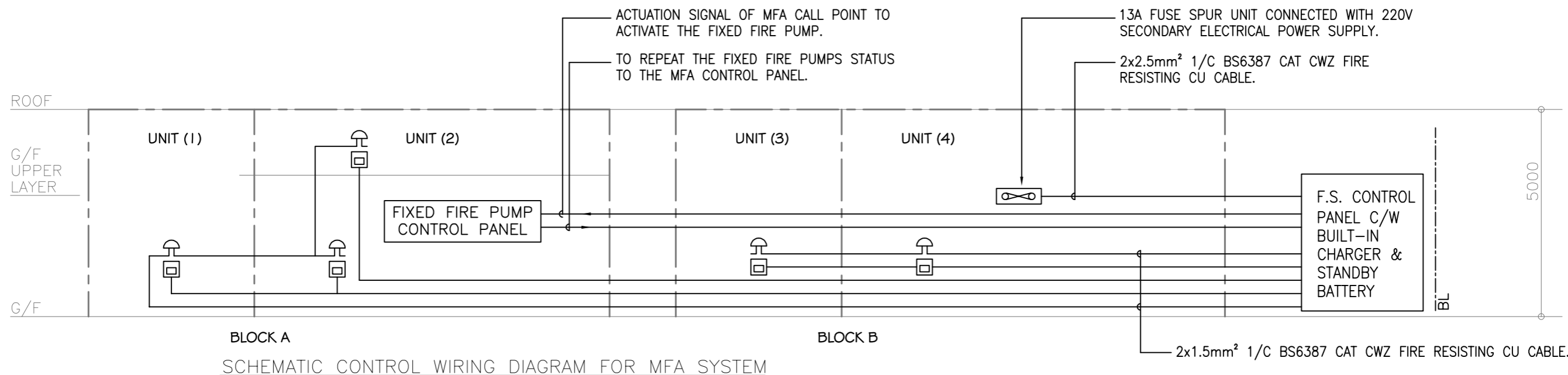
Dwg. No:
FS-05

Revision
B

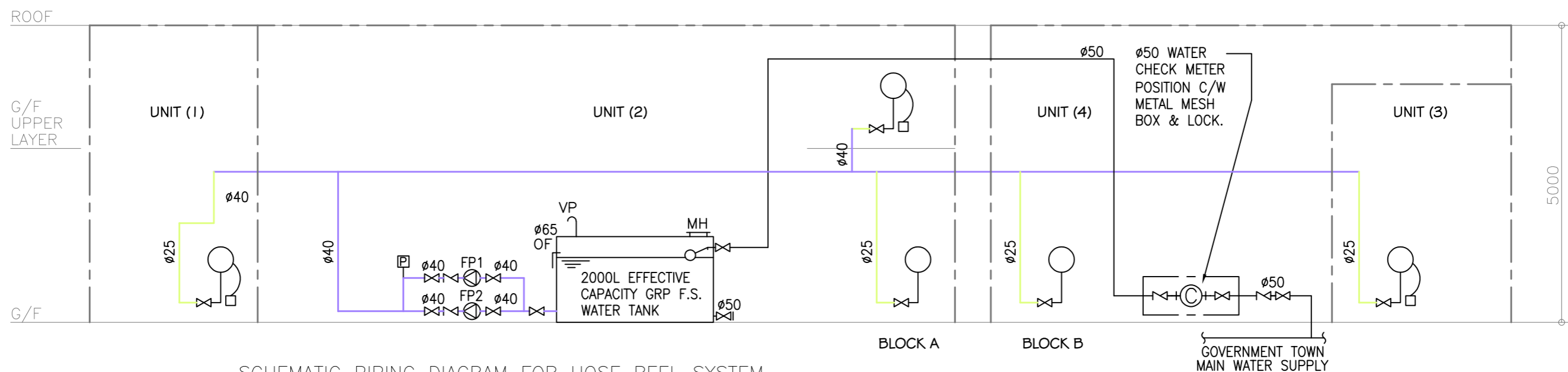
FIXED FIRE PUMP SCHEDULE				
PUMP CODE	DESCRIPTION	PUMP MOTOR POWER RATING (kW)	FLOW RATE (L/min)	PUMP HEAD (BAR)
FP1	FIXED FIRE PUMP (DUTY)	2.2	48	5
FP2	FIXED FIRE PUMP (STANDBY)	2.2	48	5

F.S. PIPE SIZE COLOUR CODE		
PIPE SIZE	COLOUR	
ø25	GREEN	
ø40	PURPLE	
ø80	DARK GREEN	

STATUS OF FIXED FIRE PUMPS	
1. FP1 POWER SUPPLY ON	4. FP2 POWER SUPPLY ON
2. FP1 PUMP RUNNING	5. FP2 PUMP RUNNING
3. FP1 PUMP FAILED	6. FP2 PUMP FAILED



SCHEMATIC CONTROL WIRING DIAGRAM FOR MFA SYSTEM



SCHEMATIC PIPING DIAGRAM FOR HOSE REEL SYSTEM

Project:
PROPOSED FIRE SERVICES INSTALLATION AT NO. 83 LAM TEI MAIN STREET, TUEN MUN, NEW TERRITORIES.

Drawing Title:
SCHEMATIC CONTROL WIRING DIAGRAM FOR MFA SYSTEM & SCHEMATIC PIPING DIAGRAM FOR HOSE REEL SYSTEM

FSI Contractor:

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K230

Dwg. No:
FS-02

Revision
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